

1. Product Introduction



Model: 3612 monitor

Model 3612 Electric monitor supports multiple control mode, Including CAN bus Joystick and remote control, etc. The fully sealed motor and enclosure design makes the monitors fit well for use in harsh environment. Model 3612 is ideal for use in wildland. fire truck, factory, warehouse, or any fixed mounted application.

Monitor 3612 Details



2. Product Features

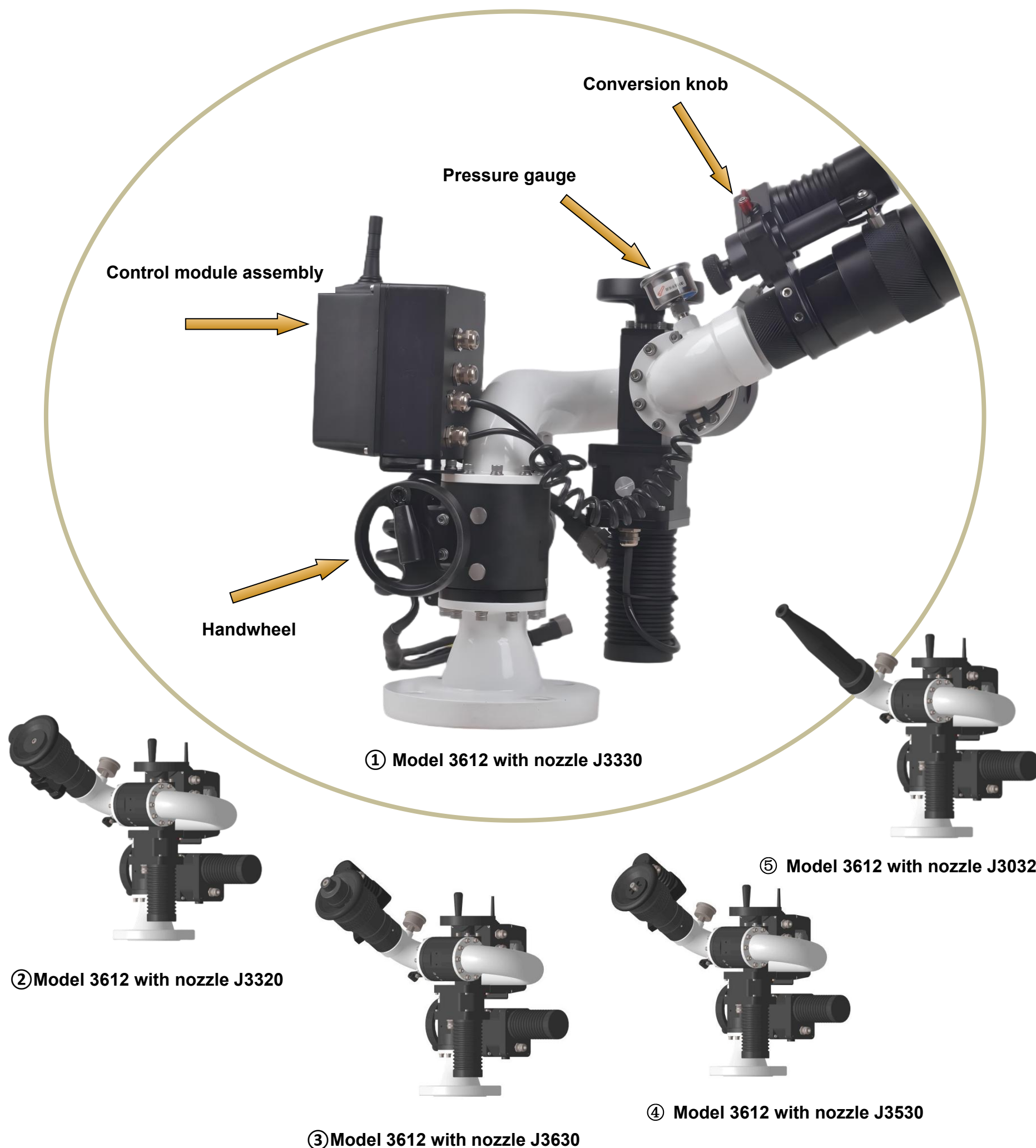
- ◆ Supports multiple control modes (wireless control, CAN bus, etc.)
- ◆ Maximum remote control distance at 150m+.
- ◆ Equipped with dual hand wheel.
- ◆ High resistance to corrosion by use of stainless steel 304 waterway and aluminum hard anodized nozzle.
- ◆ Horizontal travel from 0° to 330° which is easily adjustable.
- ◆ Geared motors and control box can withstand harsh environments.
- ◆ With protection circuit for vertical and horizontal control.
- ◆ 24V DC supply voltage (12V DC Optional)

3. Specifications

Model		3612
Max. GPM (LPM)		500 (1900)
Inlet	Size	2 1/2" or 3"
	Type	Flange
Outlet		1 1/2" NH or 2" BSP (optional)
Control		Multiple control modes are optional. (Details are provided on the follow page.)
Friction Loss		27 psi at 500 GPM
Material		Waterway: Aluminum Alloy Nozzle: Aluminum Alloy
Control Mode		Electric /Manual
Travel	V -45°~+85°	
	H 0°~330°	
Power Requirement		24V DC(12V DC optional)

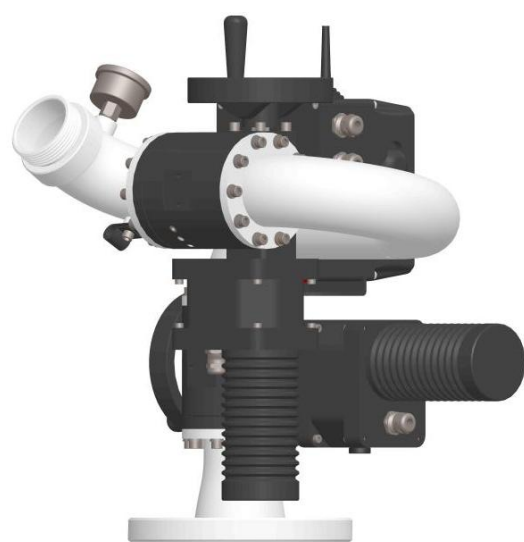
4. Monitor Style Illustration

Model 3612 fixed electric monitor integrates remote control, CAN bus joystick and position indicator. It can be used as a bumper turrets. A foam tube can be installed on the monitor nozzle, and the flow rate can be configured according to customer requirements.



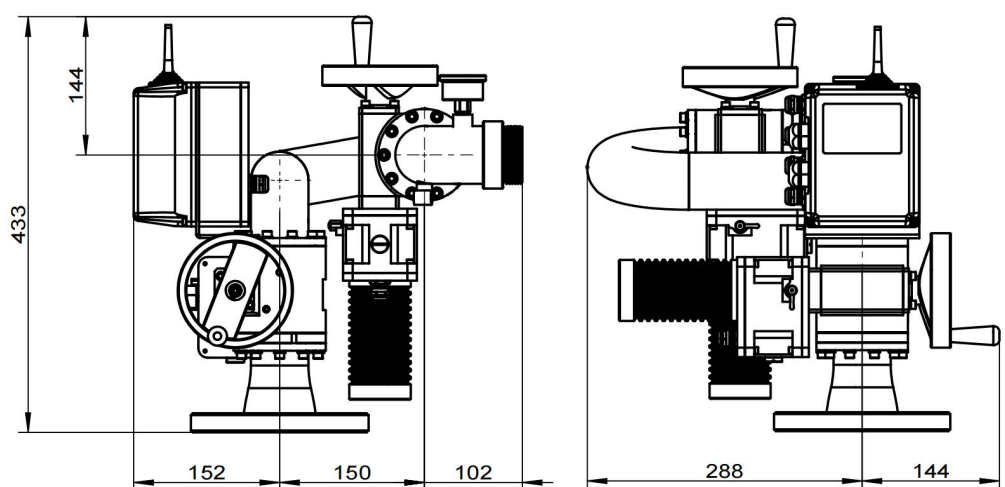
5. Monitor Body

Model 4612 monitor assembly is equipped with dual-handwheel manual control and remote control system, featuring a conversion knob for switching between electric and manual modes. Its horizontal travel is 0° to 330°. The vertical travel is -45° to +85°, or optional upon request. The sealed electrical motor provides reliable waterproofing and anti-aging protection, enabling adaptation to various harsh environments.



Model: 4612

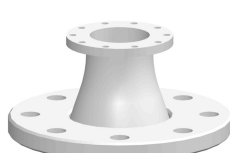
Dimension



Unit: mm



DN65 PN16



DN80 PN16



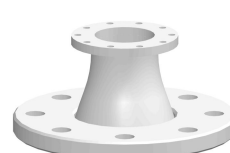
2.5" ANSI 150 Flange



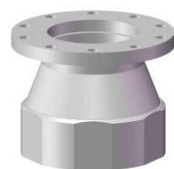
3" ANSI 150 Flange



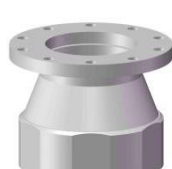
2.5" JIS 16K Flange



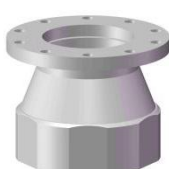
3" JIS 16K Flange



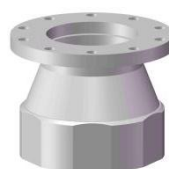
2.5" NPT (female)



3" NPT (female)



2.5" BSPT (female)



3" BSPT (female)

FLANGE TYPE	OUTSIDE DIAMETER		THICKNESS		BOLT HOLE CIRCLE		#OF BOLTS	SIZE OF BOLTS		TORQUE ON BOLTS	
	in	mm	in	mm	in	mm		in	mm	ft-lb	N-m
DN65, PN16 FLANGE	6.5	165	0.79	20	5.1	130	4	5/8	16	76-80	100-110
DN80, PN16 FLANGE	7.9	200	0.79	20	6.3	160	8	23/32	18	76-80	100-110
2.5" ANSI 150 FLANGE	7.0	178	0.62	16	5.5	140	4	5/8	16	76-80	100-110
3" ANSI 150 FLANGE	7.5	190	0.95	24	6.0	153	4	3/4	19	76-80	100-110
2.5" JIS 16K FLANGE	7.0	178	0.79	20	5.5	140	8	5/8	16	76-80	100-110
3" JIS 16K FLANGE	7.9	200	0.79	20	6.3	160	8	7/8	22	76-80	100-110

4612 Monitor Body Selector Guide

MODEL	INLET SIZES/TYPES	OUTLET SIZE	VERTICAL TRAVEL	HORIZONTAL TRAVEL	VOLTAGE
461201	3"ANSI-150 Flange	2"BSP	330° (±165°)	(-45°~+85°)	DC24V
461202	3"ANSI-150	2"BSP	180° (±90°)	(-45°~+85°)	DC24V
461203	2.5"ANSI-150	2"BSP	330° (±165°)	(-45°~+85°)	DC24V
461204	2.5"ANSI-150	2"BSP	180° (±90°)	(-45°~+85°)	DC24V
461205	2"ANSI-150	2"BSP	330° (±165°)	(-45°~+85°)	DC24V
461206	2"ANSI-150	2"BSP	180° (±90°)	(-45°~+85°)	DC24V
461207	2"ANSI-150	1.5"NH	330° (±163°)	(-45°~+85°)	DC24V
461208	2"ANSI-150	1.5"NH	80° (±90°)	(-45°~+85°)	DC24V
.....					
461220	3"JIS-16K	2"BSP	330° (± 165 °)	(-45°~+85°)	DC24V
461221	3"JIS-10K	2"BSP	330° (± 165 °)	(-45°~+85°)	DC24V
461222	3"JIS-10K	2"BSP	180° (± 90 °)	(-45°~+85°)	DC24V
461223	2.5"JIS-16K	2"BSPP	330° (± 165 °)	(-45°~+85°)	DC24V
461224	2.5"JIS-10K	2"BSPP	330° (± 165 °)	(-45°~+85°)	DC24V
461225	2.5"JIS-10K	2"BSPP	180° (± 90 °)	(-45°~+85°)	DC24V
461226	2"JIS-10K	2"BSP	330° (± 165 °)	(-45°~+85°)	DC24V
461227	2"JIS-10K	2"BSP	180° (± 90 °)	(-45°~+85°)	DC24V
461228	2"JIS-10K	1.5"NH	330° (± 163 °)	(-45°~+85°)	DC24V
461229	2"JIS-10K	1.5"NH	180° (± 90 °)	(-45°~+85°)	DC24V
.....					
461240	DN80-PN16	2"BSP	330° (±165°)	(-45°~+85°)	DC24V
461241	DN80-PN16	2"BSP	180° (±90°)	(-45°~+85°)	DC24V
461242	DN65-PN16	2"BSPP	330° (±165°)	(-45°~+85°)	DC24V
461243	DN65-PN16	2"BSPP	180° (±90°)	(-45°~+85°)	DC24V
461244	DN50-PN16	2"BSP	330° (±165°)	(-45°~+85°)	DC24V
461245	DN50-PN16	2"BSP	180° (±90°)	(-45°~+85°)	DC24V
461246	DN50-PN16	1.5"NH	330° (±163°)	(-45°~+85°)	DC24V
461247	DN50-PN16	1.5"NH	330° (±163°)	(-45°~+85°)	DC24V
.....					
461260	2.5"NPT Female thread	2"BSP	180° (±90°)	(-45°~+85°)	DC24V
461261	2.5"BSPT Female thread	2"BSP	180° (±90°)	(-45°~+85°)	DC24V
461263	1.5"NH Female thread	1.5"NH	180° (±90°)	(-45°~+85°)	DC24V
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Note: For monitor with a flow rate of below 1200LPM, a 1½"NH is recommended; for those with a flow rate of above 1200LPM, a 2" BSP is suggested.

6. Nozzles



4612 Monitor Body Selector Guide

MODEL	NLETSIZES/TYPES (FemaleThread)	FlowRange	NozzleMaterial	VOLTAGE	REMARKS
J3531	2" BSP	600-1200-1900 LPM @7bar	Aluminum Alloy	DC24V	Electronically Adjustable Flow
J3533	2" BSP	500-1200-2000LPM @7bar	Aluminum Alloy	DC24V	Electronically Adjustable Flow
J3532	2" BSP	1200-1900LPM @7bar	Aluminum Alloy	DC24V	Electronically Adjustable Flow
J3632	2" BSP	600-1900LPM @7bar	Aluminum Alloy	DC24V	Electronic Constant Pressure
J3332	2" BSP	1900LPM @7bar	Aluminum Alloy	DC24V	Electronic Fixed Flow
J3520	1.5"NH	480-1200LPM @7bar	Aluminum Alloy	DC24V	Electronically Adjustable Flow
B3517	1.5"NH	500-1000LPM/7BAR	Aluminum Alloy	DC24V	Electric Full/Half Flow
J3324	1.5"NH	1440LPM @7bar	Aluminum Alloy	DC24V	Electronic Fixed Flow
J3320	1.5"NH	1200LPM @7bar	Aluminum Alloy	DC24V	Electronic Fixed Flow
J3317	1.5"NH	1000LPM @7bar	Aluminum Alloy	DC24V	Electronic Fixed Flow
R3039	2"BSP	2500LPM Nozzleφ39	Aluminum Alloy	/	Straight Stream Nozzle
R3032	2"BSP	1800LPM Nozzleφ32	Aluminum Alloy	/	Straight Stream Nozzle
R3025	1.5"NH	1000LPM Nozzleφ25	Aluminum Alloy	/	Straight Stream Nozzle
R3017	1.5"NH	500LPM Nozzleφ17	Aluminum Alloy	/	Straight Stream Nozzle
F3024	2"BSP	1440LPM/7BAR	Aluminum Alloy	/	Foam Nozzle
J3503	1.5"NH	60-115-170LPM @7bar (15-30-45GPM) @7bar	Aluminum Alloy	DC12V	Electronic Fixed Flow

Note: For monitor with a flow rate of below 1200LPM, a 1½"NH is recommended; for those with a flow rate of above 1200LPM, a 2" BSP is suggested.

7. Controller & Accessories

(1)



Model: 2371

(2)



Model: 2341

(3)



Model: 2342

(4)



Model: 2321

(5)



Model:2351/ 2352

(6)



Model: 2353

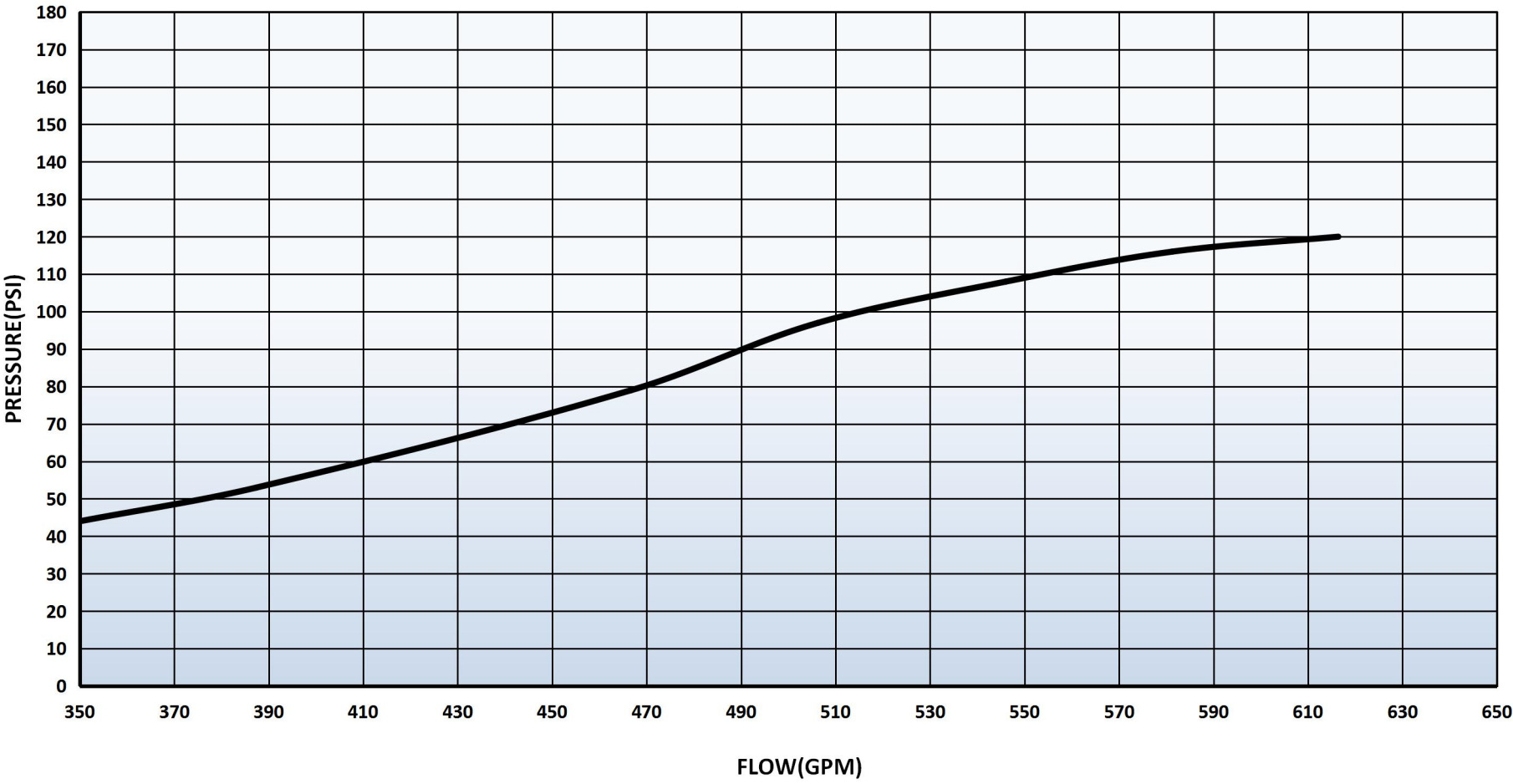
(7)



Model: 2500

Components & Options Chart			Illustration	Model
Operator Controls	Control panel	Base on CAN bus, Maximum communication distance up to 50m	1	2371
	Joystick-1		2	2341
	Joystick-2		3	2342
	Wireless RF controller	Frequency range: 433-434 MHZ, range of radio transmission: 150m in free-field	4	2321
	4" Position Indicator-1	Power Supply 9~32VDC, operating temperature -10°~+60°,IP 65	-	2351
	7" Position Indicator-2		5	2352
	Position Indicator-3		6	2353
Monitor Control Module Assembly	Control Module	With 1m power harness. Specify operating voltage (24VDC)	-	2300
	Power Harness	1m, 2m, 5m or 10m length (specify)	-	2250-1,-2,-5,-10
	Operator (Joystick or Toggle) box to control	3m or 15m length (specify)	-	2241-3,-15
Accessories	Stream Shapers	1.5" Used to straighten a water flow	7	2500

2" BSP J3330
NOZZLE PRESSURE & FLOW CHARACTERISTIC CHART



2" BSP J3330
NOZZLE RANGE & FLOW CHARACTERISTIC CHART

